

BALLOON CATHETER DESIGNS WHICH INCORPORATE
AN ANTENNA COOPERATIVELY SITUATED WITH RESPECT
TO AN EXTERNAL BALLOON SURFACE FOR USE IN
TREATING DISEASED TISSUE OF A PATIENT

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ABSTRACT OF THE DISCLOSURE

10 In a first embodiment, the antenna cooperatively situated with respect
to an external surface of the balloon of a balloon catheter has a spiral
configuration, which renders this external antenna highly directional. This
first embodiment of balloon catheter is shown inserted in the urethra of a
patient in a system for irradiating his prostatic tumor and measuring the
tumor's temperature with a radiometer. In a second embodiment, the
15 antenna cooperatively situated with respect to an external surface of the
balloon of a balloon catheter has a helical configuration, which renders this
external antenna omnidirectional.